

# SEQUENCE LISTING

<110> ConjuChem, Inc.  
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 Thibaudeau, Karen  
 Huang, Xicai

<120> Long Lasting Anti-Angiogenic Peptides

<130> 2200

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<150> 60/134,406

<151> 1999-05-17

<160> 16

<170> PatentIn Ver. 2.1

<210> 1

<211> 790

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
 Peptide

<400> 1

Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Ala Ser Leu Phe Ser  
 1 5 10 15

Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Ile Glu Glu Cys Ala Ala  
 20 25 30

Lys Cys Glu Glu Asp Glu Glu Phe Thr Cys Arg Ala Phe Gln Tyr His  
 35 40 45

Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg Lys Ser Ser  
 50 55 60

Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys Lys Val Tyr  
 65 70 75 80

Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys Asn Tyr Arg Gly Thr Ser  
85 90 95

Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser Ser Thr Ser Pro  
100 105 110

His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser Glu Gly Leu Glu  
115 120 125

Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln Gly Pro Trp Cys  
130 135 140

Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys Asp Ile Leu Glu  
145 150 155 160

Cys Glu Glu Glu Cys Met His Cys Ser Gly Glu Asn Tyr Asp Gly Lys  
165 170 175

Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala Trp Asp Ser Gln  
180 185 190

Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe Pro Asn Lys Asn  
195 200 205

Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu Leu Arg Pro Trp  
210 215 220

Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu Cys Asp Ile Pro  
225 230 235 240

Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr Tyr Gln Cys Leu  
245 250 255

Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala Val Thr Val Ser  
260 265 270

Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro His Thr His Asn  
275 280 285

Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp Glu Asn Tyr Cys  
290 295 300

Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His Thr Thr Asn Ser  
305 310 315 320

Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys Asp Ser Ser Pro  
325 330 335

Val Ser Thr Glu Gln Leu Ala Pro Thr Ala Pro Pro Glu Leu Thr Pro  
 340 345 350

Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser Tyr Arg Gly Thr  
 355 360 365

Ser Ser Thr Thr Thr Thr Gly Lys Lys Cys Gln Ser Trp Ser Ser Met  
 370 375 380

Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr Pro Asn Ala Gly  
 385 390 395 400

Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp Lys Gly Pro Trp  
 405 410 415

Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr Cys Asn Leu Lys  
 420 425 430

Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro Pro Pro Val Val  
 435 440 445

Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp Cys Met Phe Gly  
 450 455 460

Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr Val Thr Gly Thr  
 465 470 475 480

Pro Cys Gln Asp Trp Ala Ala Gln Glu Pro His Arg His Ser Ile Phe  
 485 490 495

Thr Pro Glu Thr Asn Pro Arg Ala Gly Leu Glu Lys Asn Tyr Cys Arg  
 500 505 510

Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr Thr Thr Asn Pro  
 515 520 525

Arg Lys Leu Tyr Asp Tyr Cys Asp Val Pro Gln Cys Ala Ala Pro Ser  
 530 535 540

Phe Asp Cys Gly Lys Pro Gln Val Glu Pro Lys Lys Cys Pro Gly Arg  
 545 550 555 560

Val Val Gly Gly Cys Val Ala His Pro His Ser Trp Pro Trp Gln Val  
 565 570 575

Ser Leu Arg Thr Arg Phe Gly Met His Phe Cys Gly Gly Thr Leu Ile  
 580 585 590

Ser Pro Glu Trp Val Leu Thr Ala Ala His Cys Leu Glu Lys Ser Pro  
595 600 605

Arg Pro Ser Ser Tyr Lys Val Ile Leu Gly Ala His Gln Glu Val Asn  
610 615 620

Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg Leu Phe Leu Glu  
625 630 635 640

Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser Ser Pro Ala Val  
645 650 655

Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser Pro Asn Tyr Val  
660 665 670

Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp Gly Glu Thr Gln  
675 680 685

Gly Thr Phe Gly Ala Gly Leu Leu Lys Glu Ala Gln Leu Pro Val Ile  
690 695 700

Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn Gly Arg Val Gln  
705 710 715 720

Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly Thr Asp Ser Cys  
725 730 735

Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu Lys Asp Lys Tyr  
740 745 750

Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys Ala Arg Pro Asn  
755 760 765

Lys Pro Gly Val Tyr Val Arg Val Ser Arg Phe Val Thr Trp Ile Glu  
770 775 780

Gly Val Met Arg Asn Asn  
785 790

<210> 2

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Peptide

<400> 2

Pro Arg Lys Leu Tyr Asp Lys

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<210> 3

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Peptide

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Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys

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<210> 4

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Peptide

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Pro Arg Lys Leu Tyr Asp Tyr Lys

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<210> 5

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Peptide

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Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Lys

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<212> PRT  
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Peptide

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Pro Arg Lys Leu Tyr Asp Tyr Lys  
1 5

<210> 7  
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<223> Description of Artificial Sequence: Synthetic  
Peptide

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Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys  
1 5 10

<210> 8  
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<212> PRT  
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<223> Description of Artificial Sequence: Synthetic  
Peptide

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Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr  
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<210> 9  
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<223> Description of Artificial Sequence: Synthetic  
Peptide

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Pro Arg Lys Leu Tyr Asp Tyr  
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Peptide

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Arg Lys Leu Tyr Asp Tyr Lys  
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<223> Description of Artificial Sequence: Synthetic  
Peptide

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Arg Lys Leu Tyr Asp Tyr  
1 5

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

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Pro Arg Lys Leu Tyr Asp Lys

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<210> 13

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 13

Pro Arg Lys Leu Tyr Asp

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<210> 14

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 14

Pro Arg Lys Leu Tyr Asp Tyr Lys

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<210> 15

<211> 7

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 15

Pro Arg Lys Leu Tyr Asp Tyr

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<210> 16

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Peptide

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Arg Asn Pro Asp Gly Asp Val Gly Gly Asp Val Gly Gly Pro Trp  
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